

# The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

VOLUME EIGHTEEN

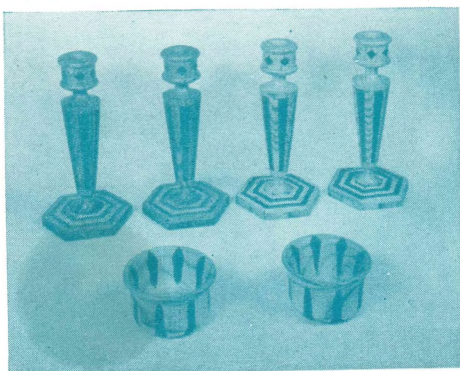
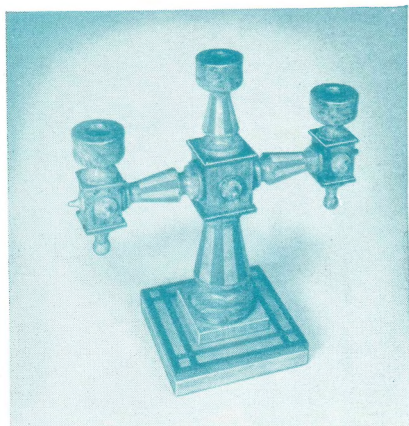
Issue No. 4, 1948, '49

FIFTEEN CENTS



- ★ SEWING MACHINE CABINET
- ★ CHILD'S PLAY TABLE
- ★ WALL SHELF
- ★ SHOP HINTS
- ★ ELECTRIC RAZOR HOLDER
- ★ GARDEN CUT-OUTS ★ ETC.



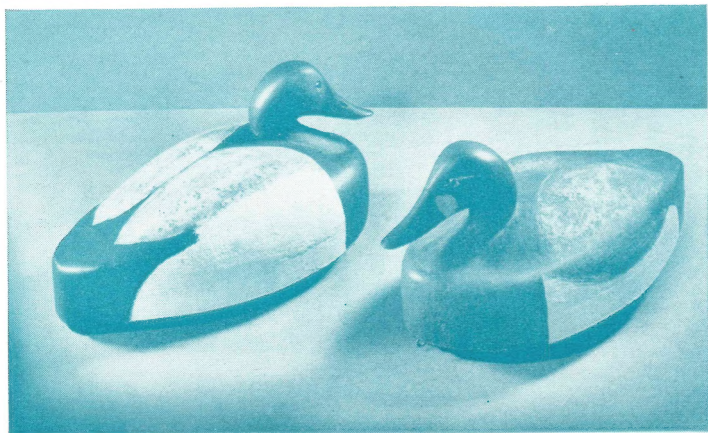
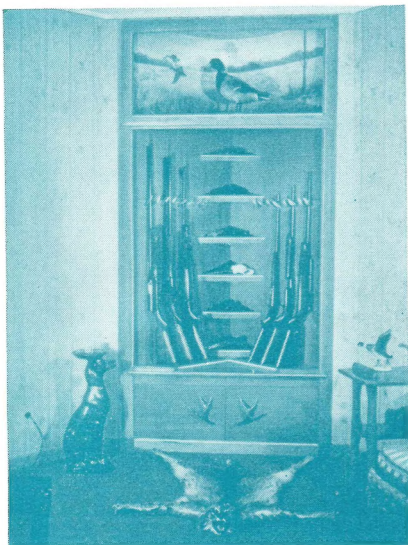


## *With* **DELTA CRAFTERS**

Mr. Weirich of Adams, Wisconsin, sent us the two photographs of the candelabrum and the candle sticks and bowls. The maple burl and cedar for these projects were sent to him from Montana. Inlays are one of his specialties.

A gun cabinet with special features is the one shown in photo to the left which was made to order by Mr. Herold of Brookings, South Dakota for one of his hunter friends. The entire cabinet is made of white oak to match the woodwork of the room. Elk antlers were used for the door handles as well as gun racks. The mounted mallard duck has a hand-painted picture for the background with hidden electric lights.

In the photo below are a male and female canvas-back duck decoys. Because of its perfect buoyancy and proper position of the head, the male duck won Mr. Sheldon of Fox Point, Wisconsin an honorable mention prize at the New York Sports Show.





# The Deltagram

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★ A MAGAZINE FOR CRAFTSMEN

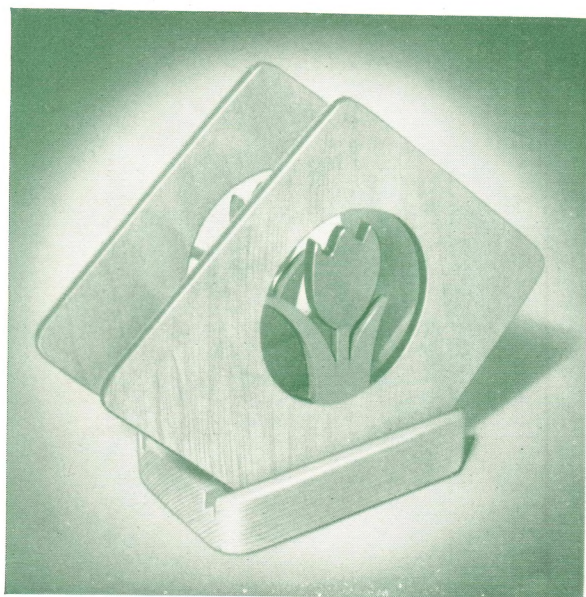
★ PUBLISHED BY THE DELTA MANUFACTURING COMPANY, MILWAUKEE, WISC. SOLD ONLY BY SUBSCRIPTION - 75¢ THE YEAR.

★ A. M. WARKASKE - MANAGING EDITOR

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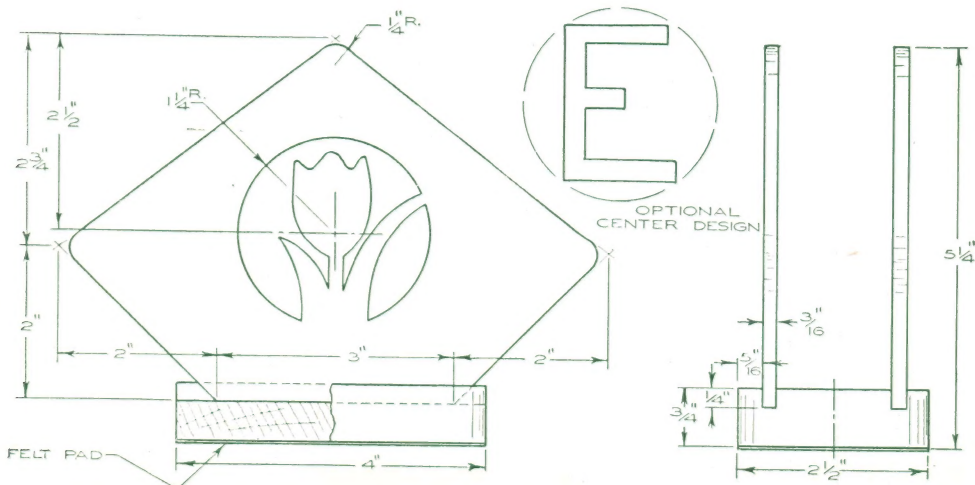
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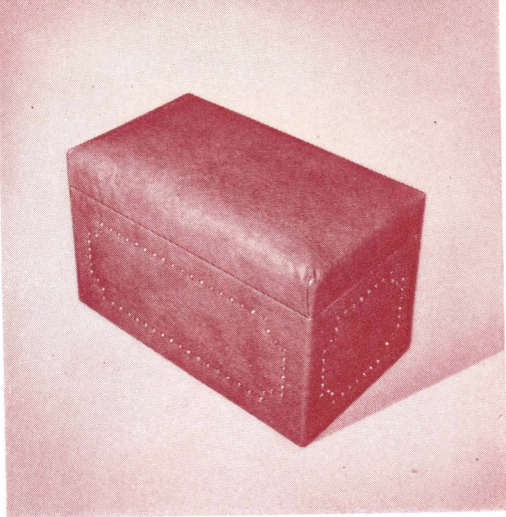
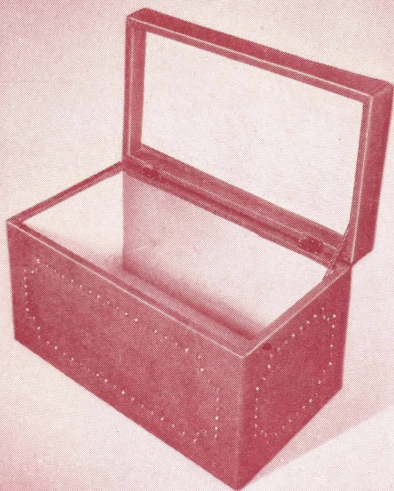
Design submitted by ELMER GERSNESKI

## A Simple NAPKIN HOLDER

☆ With a little time and not very much effort, you can make the simple napkin holders from odds and ends around your shop. The bases should be made from long pieces for easier grooving. The sides can be made from either  $\frac{3}{16}$ " or  $\frac{1}{4}$ " plywood. For added appearance to the cut-out designs, these should be painted in colors. Finish with one coat of shellac and varnish. A piece of felt glued on the bottom will add to the value of the holder.







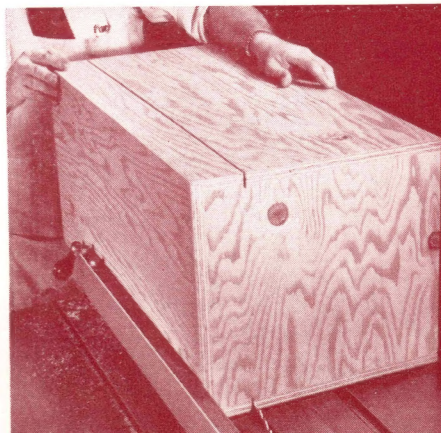
## COMBINATION HASOCK AND VACUUM CLEANER STORAGE BOX

☆ A very practical project which serves a dual purpose. It was primarily designed as a storage box for a tank type vacuum cleaner, but could be used as a toy chest, storing of blankets, or even record albums. The box is made from  $\frac{3}{4}$  inch fir plywood, although solid stock could be used. For complete working details, refer to drawing on opposite page. Foam rubber padding covered with plastic upholstery in bright red color was used. This material will not flex or fold, is practically immune to effects of oil, grease, acids, etc. For that professional touch, brass hammered nails were used for the line design on the front and sides of the box.

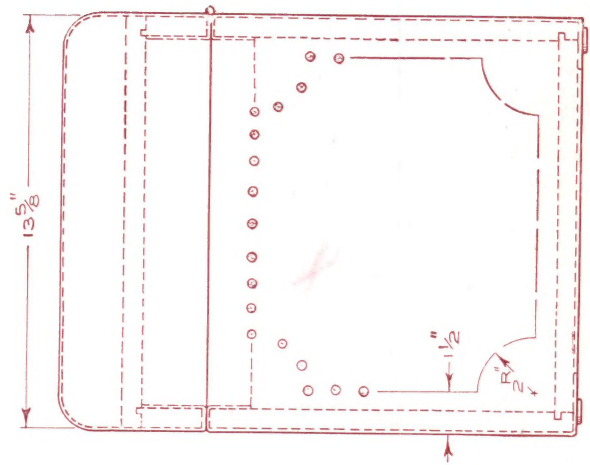
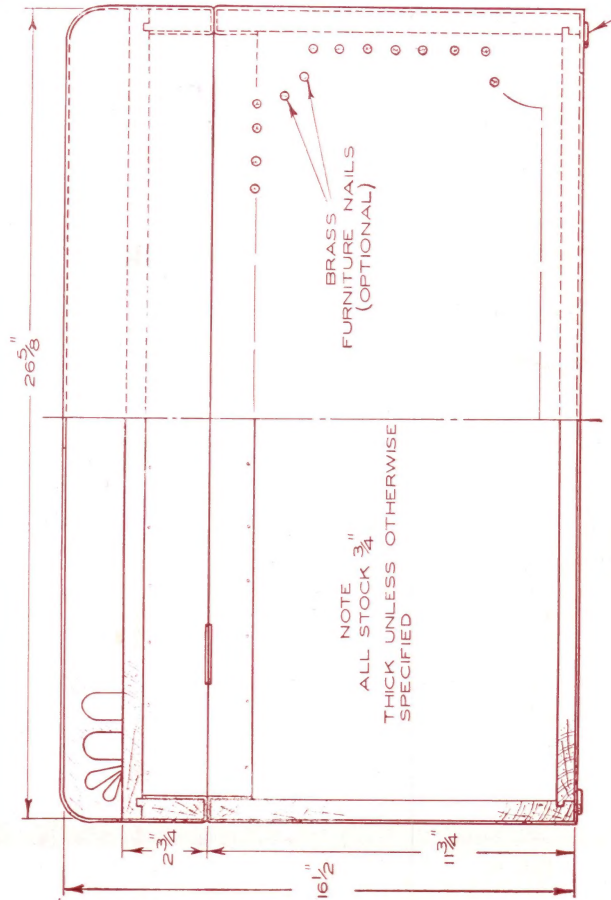
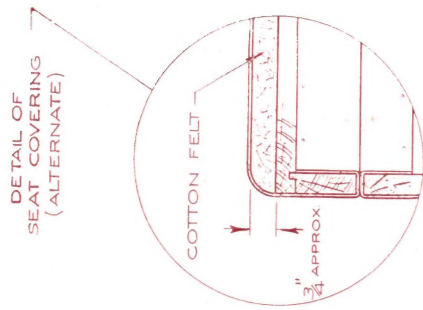
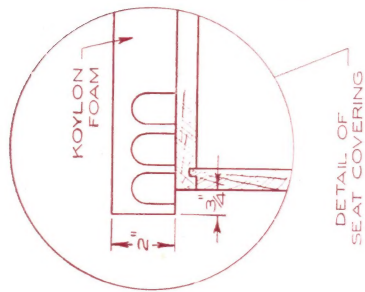
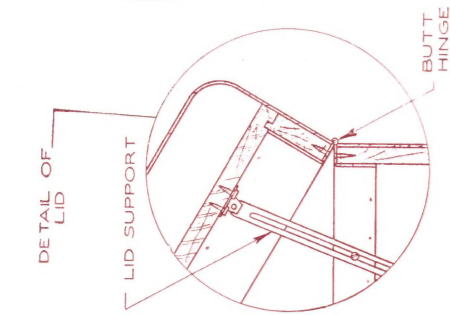
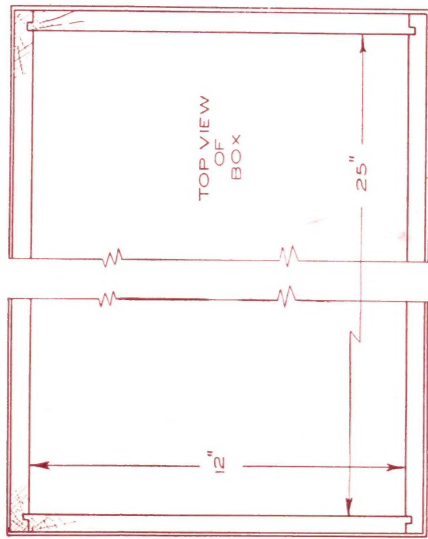


*Standard adjustable type tool holder clips (large size) were used for holding the cleaner attachments to the under side of the lid cover (left, below).*

*Photo below (right) shows how the box is cut open on the circular saw after it has been nailed and glued together. When assembling the box, make sure no nails will interfere with saw cuts.*







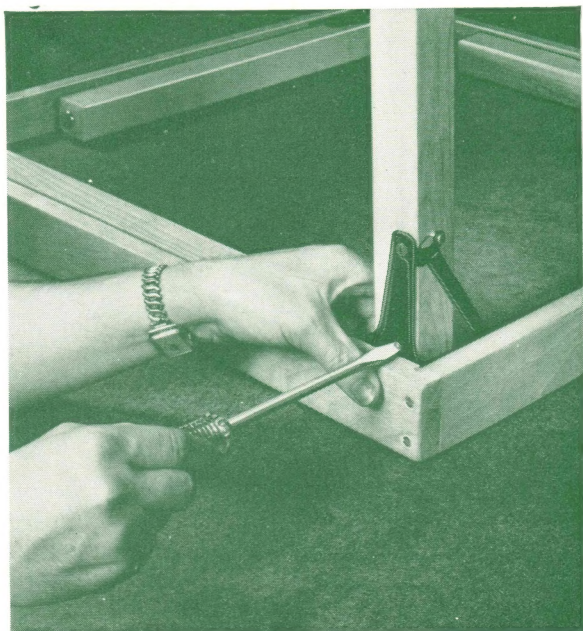




# CHILD'S PLAY TABLE

☆ A sturdy play table which will withstand a lot of abuse can be made very easily on your circular saw and jointer. The legs and top aprons are made from hardwood, maple preferred. Round all corners with the No. 253 or 269 moulding cutter blades on the circular saw using the cutter-head. The top was made of  $\frac{1}{4}$  inch Masonite (tempered type). The table leg braces are the conventional type of metal card table braces which can be purchased through

your local hardware dealer. The brace insures rigid, sturdy legs when opened, and permits the legs to be folded for easy space saving storage.

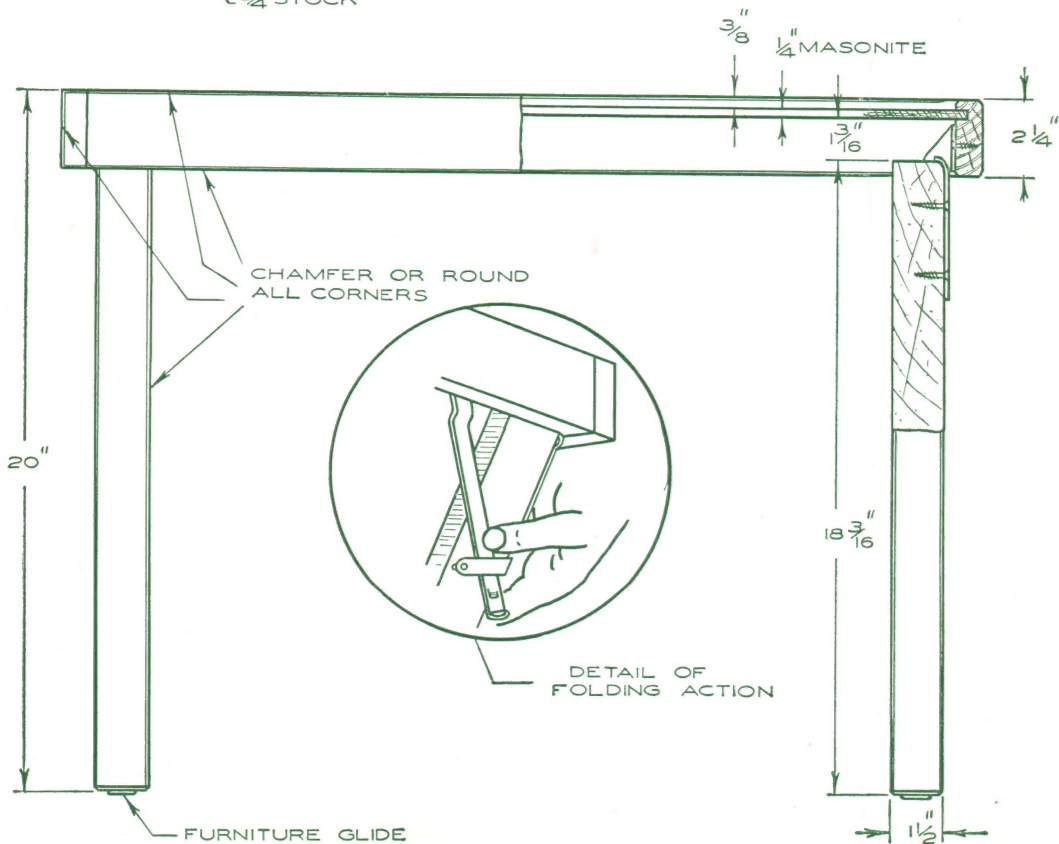
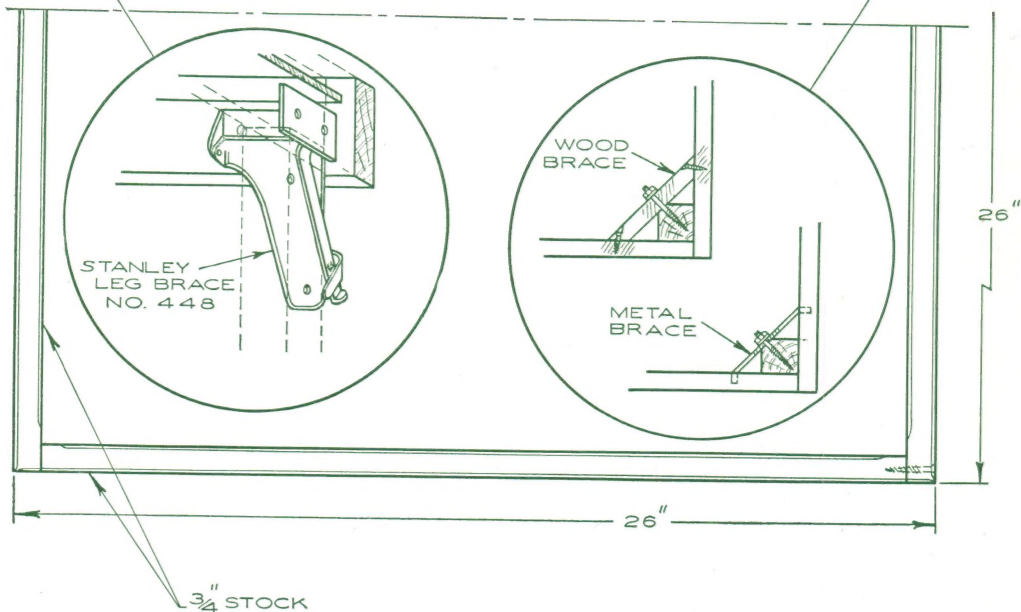


☆  
*Photo to the right shows the metal leg brace being fastened to the leg apron of the table.*

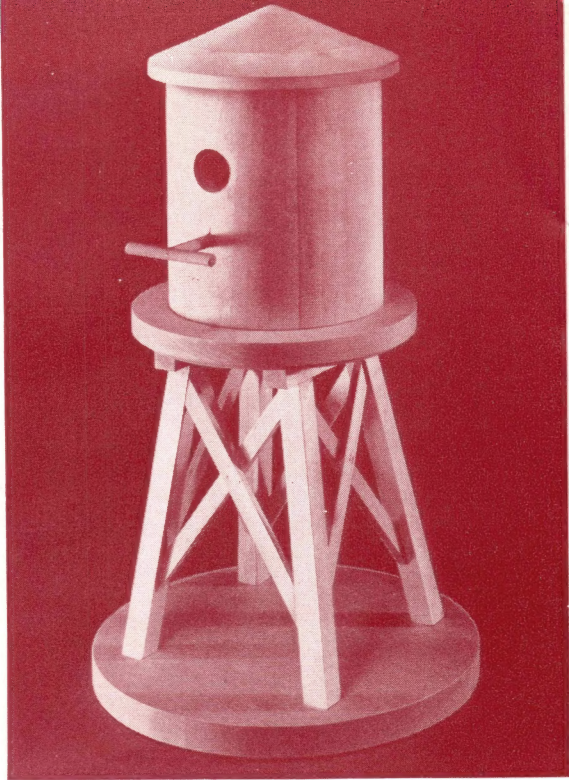
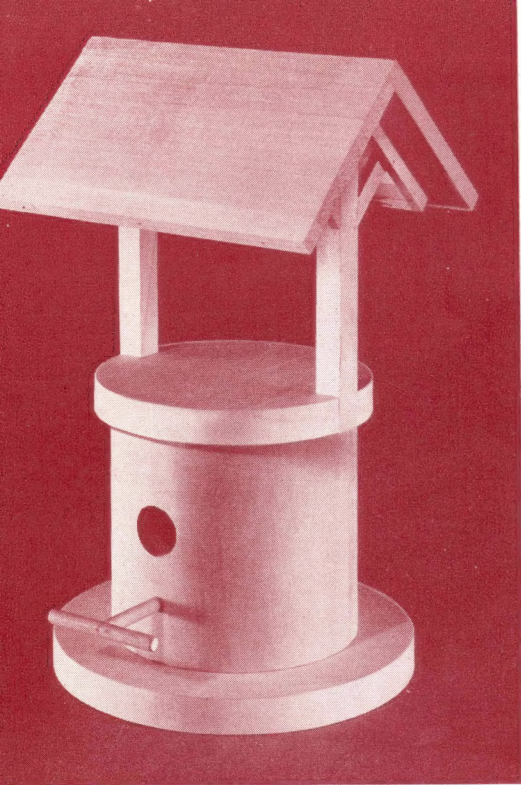


DETAIL OF CARD TABLE  
LEG BRACE

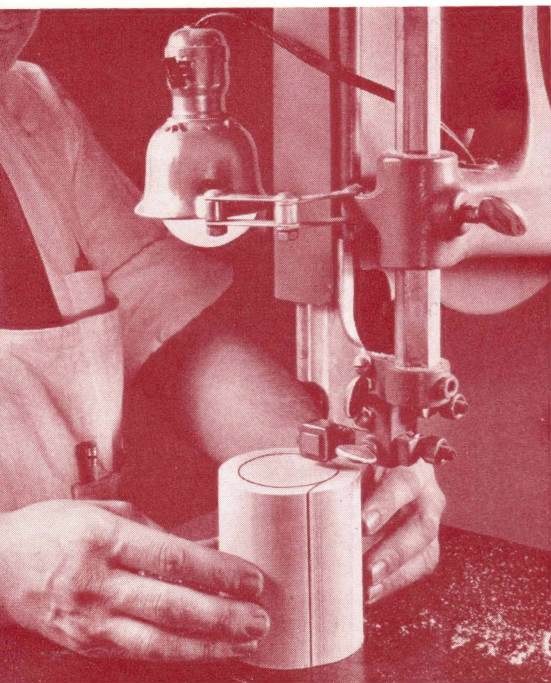
DETAIL OF ALTERNATE  
METHOD OF LEG  
FASTENING







## 2 UNUSUAL BIRD HOUSE DESIGNS



☆ Different from the ordinary run of bird house designs, these two models will be the talk of the neighborhood when placed on a clothes line post in your back yard. The main body is made from built-up stock of  $\frac{3}{4}$ -inch pine or cypress and band sawed to shape as indicated on the line drawing on the opposite page. Since these are intended for wrens, the holes should be no bigger than the size of a quarter or  $\frac{7}{8}$  inch in diameter. A dark brown shingle stain or creosote is best suited for the finish to attract the birds.

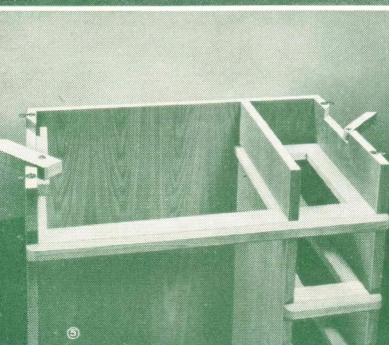
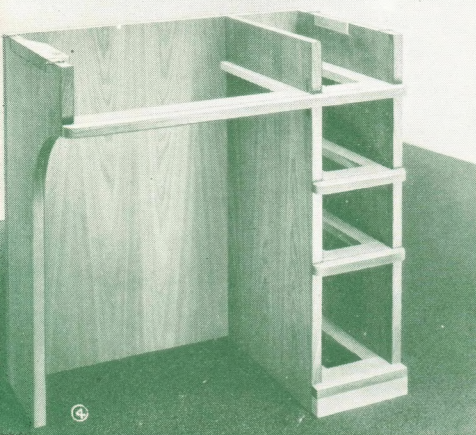
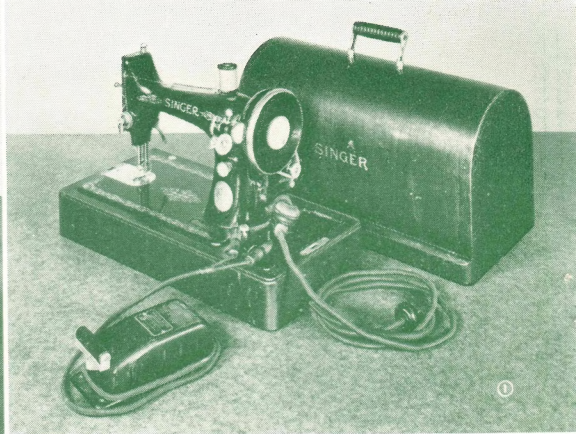
☆ ☆ ☆

*Photo at left shows how the inside of the main body is cut on the band saw. After cutting, the slot made by the blade is glued together with waterproof glue.*









## MODERN SEWING MACHINE CABINET

☆ The cabinet shown on this page was made to convert an old portable machine into a popular desk model of today. Any of the hardwood panels, walnut, mahogany, or oak will make up a neat cabinet. It should be  $\frac{3}{4}$  inch thick with both sides good. All necessary dimensions given in the drawing on the opposite page are for the standard small model machine. Some of these may have to be changed to suit the individual's machine. Regular loose pin butt hinges can be used on the top instead of the ones shown in the photograph. The drawers are of the conventional type of construction. For a rich, satin-like finish, apply two or three coats of white shellac followed by a coat of semi-gloss varnish rubbed down with pumice stone and oil.

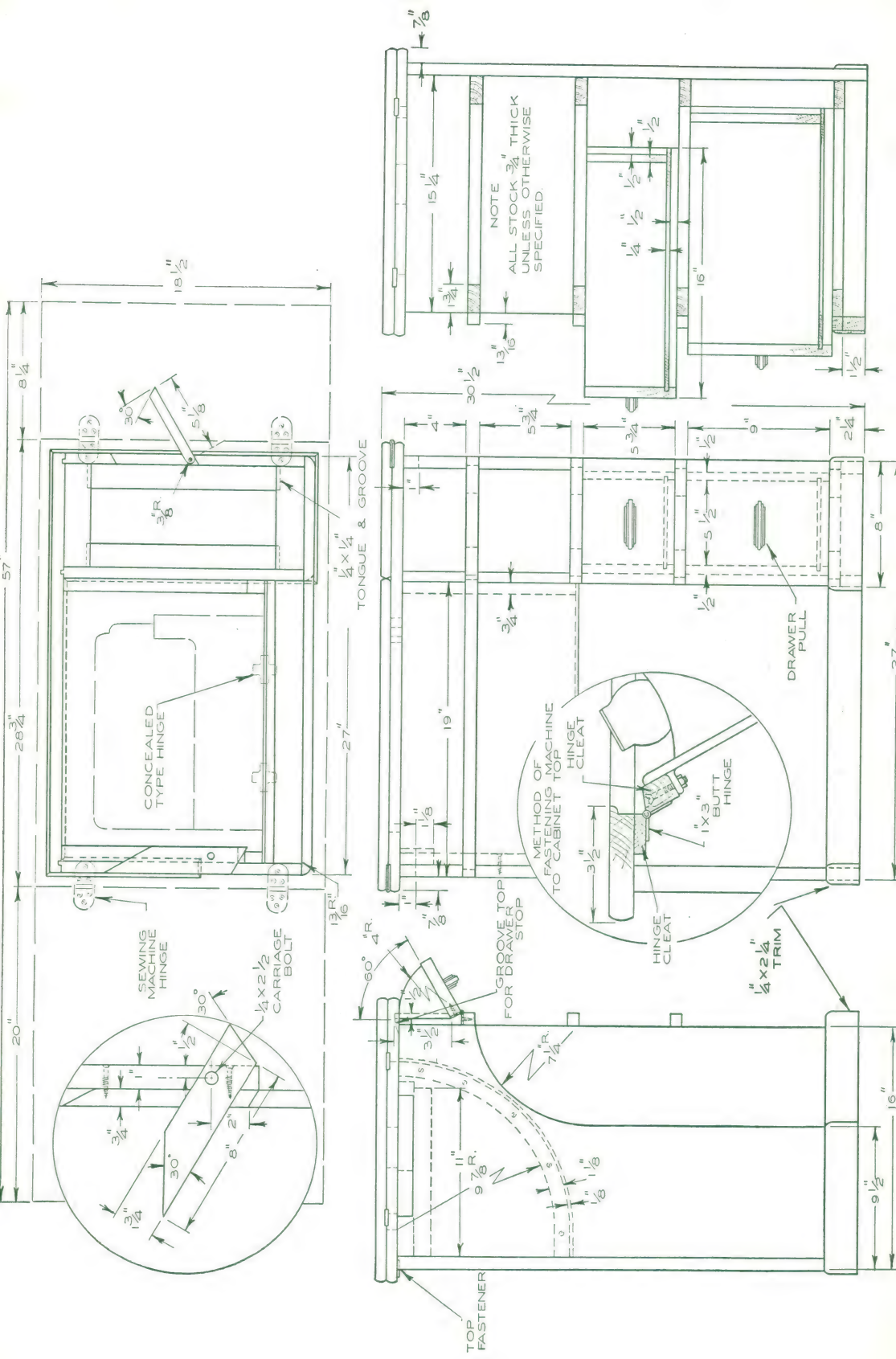
### BILL OF MATERIAL

| No.<br>Req'd. | Name                                    | Size  |
|---------------|---|---|
| 3             | Left, Right, and Center Uprights .....  | $\frac{3}{4}$ x15 $\frac{1}{2}$ x29               |
| 1             | Back .....                              | $\frac{3}{4}$ x27x29                              |
| 8             | Drawer Slide Frame Sides .....          | $\frac{3}{4}$ x13x12 $\frac{1}{4}$                |
| 8             | Drawer Slide Frame Fronts & Backs ..... | $\frac{3}{4}$ x13x7                               |
| 1             | Drawer Slide Frame Fronts .....         | $\frac{3}{4}$ x13x18 $\frac{3}{4}$                |
| 3             | Drawer Slide Frame Facings .....        | $\frac{3}{4}$ x13/16x8                            |
| 1             | Drawer Slide Frame Facings .....        | $\frac{3}{4}$ x13/16x27                           |
| 1             | Filler Block (Pine) .....               | $\frac{3}{4}$ x1 $\frac{1}{2}$ x8                 |
| 1             | Filler Front .....                      | $\frac{3}{4}$ x4x8                                |
| 2             | Filler Front .....                      | $\frac{3}{4}$ x5 $\frac{3}{4}$ x8                 |
| 1             | Filler Front .....                      | $\frac{3}{4}$ x9x8                                |
| 1             | Filler Front .....                      | $\frac{3}{4}$ x4x19                               |
| 2             | Filler Sides .....                      | $\frac{1}{2}$ x4x15 $\frac{1}{2}$                 |
| 4             | Filler Sides .....                      | $\frac{1}{2}$ x5 $\frac{3}{4}$ x13 $\frac{1}{2}$  |
| 2             | Filler Sides .....                      | $\frac{1}{2}$ x9x15 $\frac{1}{2}$                 |
| 2             | Filler Sides .....                      | $\frac{1}{2}$ x4x3 $\frac{1}{2}$                  |
| 1             | Filler Back .....                       | $\frac{1}{2}$ x3 $\frac{1}{4}$ x6                 |
| 2             | Filler Back .....                       | $\frac{1}{2}$ x5x6                                |
| 1             | Filler Back .....                       | $\frac{1}{2}$ x8 $\frac{1}{4}$ x6                 |
| 1             | Filler Back .....                       | $\frac{1}{2}$ x3 $\frac{1}{2}$ x17 $\frac{3}{4}$  |
| 4             | Filler Bottoms (Plywood) .....          | $\frac{1}{4}$ x6x15 $\frac{1}{2}$                 |
| 1             | Bottom Trim .....                       | $\frac{1}{4}$ x2 $\frac{1}{4}$ x110               |
| 1             | Top .....                               | $\frac{3}{4}$ x18 $\frac{1}{2}$ x28 $\frac{3}{4}$ |
| 1             | Top Cover .....                         | $\frac{3}{4}$ x18 $\frac{1}{2}$ x20               |
| 1             | Top Cover .....                         | $\frac{3}{4}$ x18 $\frac{1}{2}$ x8 $\frac{1}{4}$  |
| 1             | Top Cover Support (Left Side) .....     | 1x1 $\frac{1}{2}$ x9                              |
| 1             | Top Cover Support (Right Side) .....    | $\frac{3}{4}$ x1x5 $\frac{1}{2}$                  |
| 1             | Top Cover Support Cleat .....           | 1x1 $\frac{1}{2}$ x11                             |
| 1             | Dust Pan (Plywood) .....                | $\frac{1}{8}$ x18 $\frac{1}{4}$ x20               |
| 2             | Dust Pan Cleats .....                   | $\frac{3}{4}$ x4 $\frac{1}{2}$ x16 $\frac{3}{4}$  |

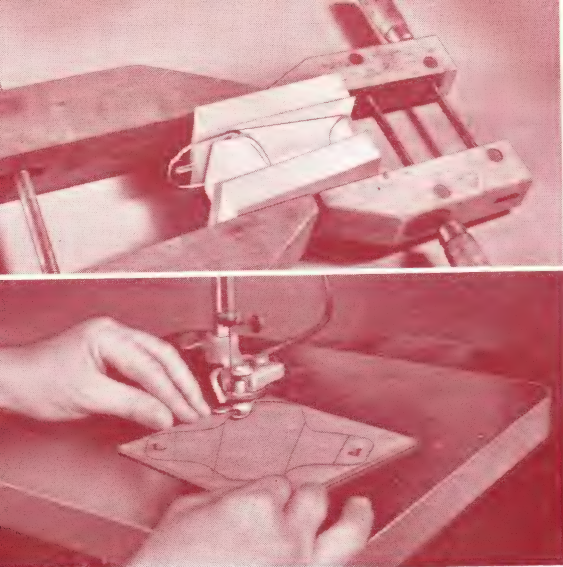
● Photo No. 1 shows the old machine before it was converted into the modern desk model in photo No. 2 and No. 3.

● Note the drawer frame construction and the disappearing folding top supports in photos No. 4 and No. 5.







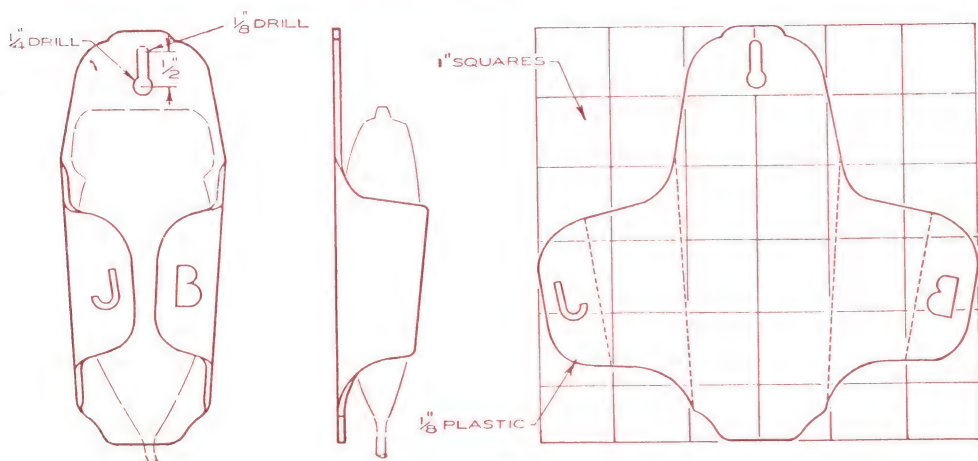


Top photo shows the plastic held in the form with hand screws. The outline pattern and initials are cut on the scroll saw as shown in lower photo.



## PLASTIC ELECTRIC RAZOR HOLDER

☆ A square piece of plastic  $\frac{1}{8}$  inch thick, 6 x 6 inches will make up this unique little holder for your electric razor. The drawing below shows the general layout for one of the smaller type razors. Before cutting the plastic to the desired shape, a block of wood a little larger than the razor should be made. See photo upper left hand corner. This block is used to form the plastic to shape after it has been properly heated for bending.







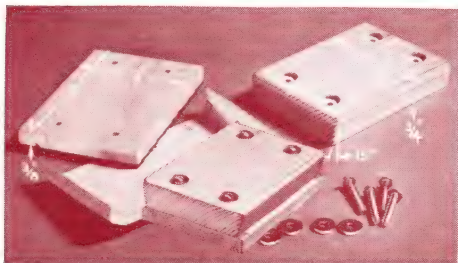
A grinding wheel which is not trued up and running smoothly, with perfect balance, is certain to wear away rapidly. It is advisable to mark the wheel as you would a circular saw blade, to correspond with a similar mark on the collar of the arbor. The marks should always occupy the same relative position when the wheel is replaced on the arbor. The results will always be uniform with a good balanced wheel. It is a good idea when putting on a new wheel on the arbor for the first time to try it in various positions until the best running balance is obtained, mark the wheel and arbor, and true it up with a diamond or regular emery wheel dresser.

When machine spur bits and router bits become burned or glazed, it is usually due to the bits revolving too fast to correspond with the rate of feed. It is advisable to increase the rate of feed until the tendency to burn is overcome, or reduce the r.p.m. of the spindle.

The advantage of using templates in routing and shaping operations is time saving when you consider that their use avoids the necessity of laying out the contour of individual pieces. On shaping, the pieces are scrolled out and edge-moulded at one time.

Two or more sharp-pointed points or brads which project about 1/16 inch above the surface of the template or form, holds the stock firmly when pressed down on the points and is ready for shaping. The template is scrolled out to correspond with the contour of the design to be cut, a guide pin on the machine table rides against the template and controls the cutting of the design.

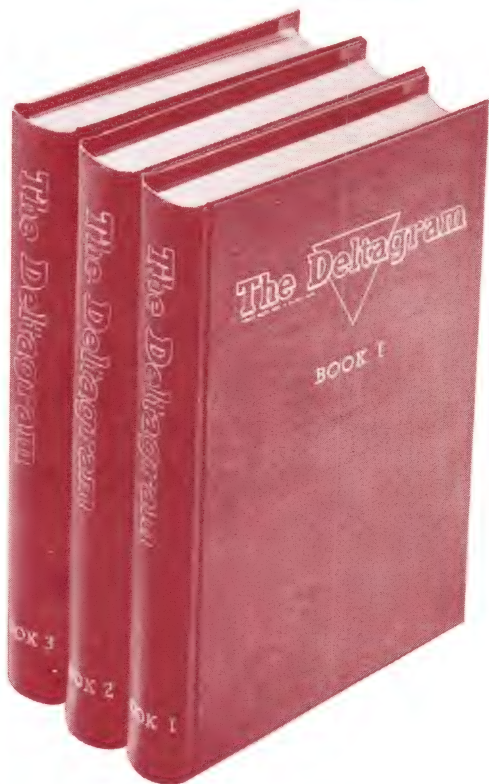
## A HANDY SANDING BLOCK



Made of two pieces of hardwood, a piece of felt and four 10-32 x 3/4 Round Head Machine Screws with washers make up this handy little block. Bore the holes in the lower block a little smaller than the outside thread of the screws, letting them cut their own threads in the wood. You can get exactly six pieces of sandpaper from a standard 9"x11" Garnet Sheet for use on this block.

# BACK ISSUES of THE DELTAGRAM

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3 Bound Volumes



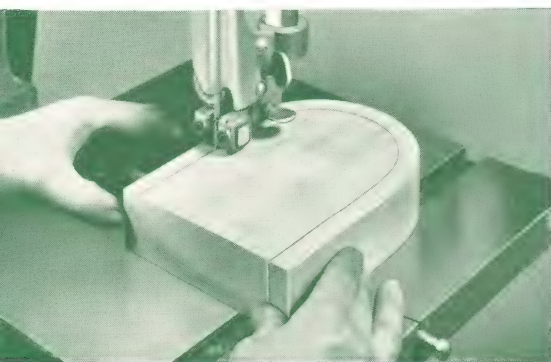
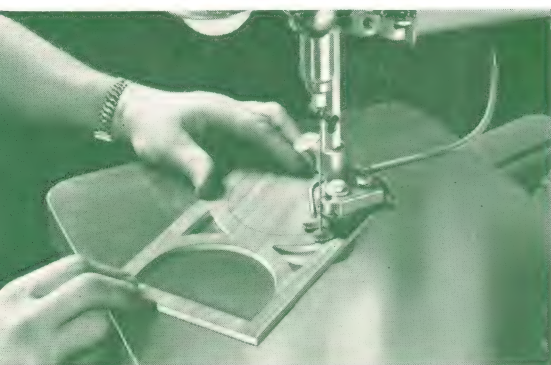
\$3.75 Each Volume —  
Or Complete Set \$10.00

These books contain all the past issues of the DeltaGram which have been printed for fifteen years since 1932. The greater amount of the older issues are no longer available.

The DeltaGram has been a standard with most of the homecrafters since the first issue has been published. All plans of projects have been made in our own shop which means each item made has been tested for correct dimensions saving you valuable material and time on the practical projects that appear in the volumes.

Bound in dark red buckhorn cloth with gold imprints. A really rare set for your workshop library.



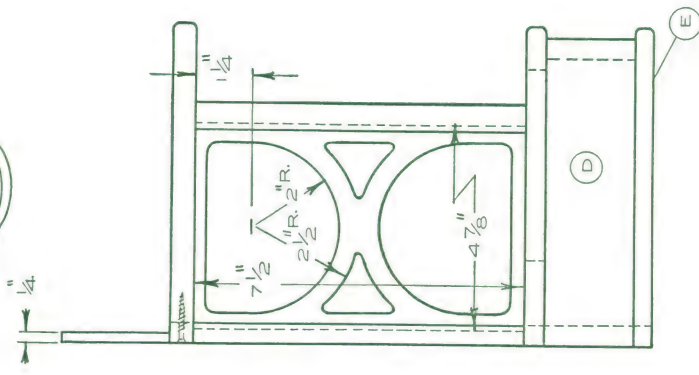
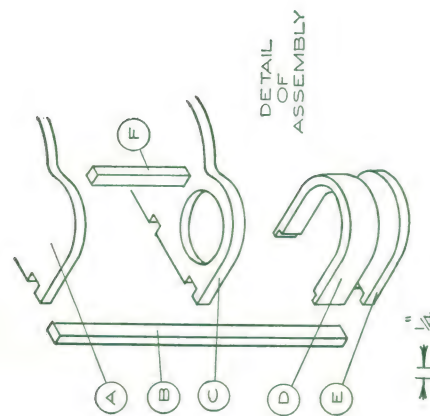
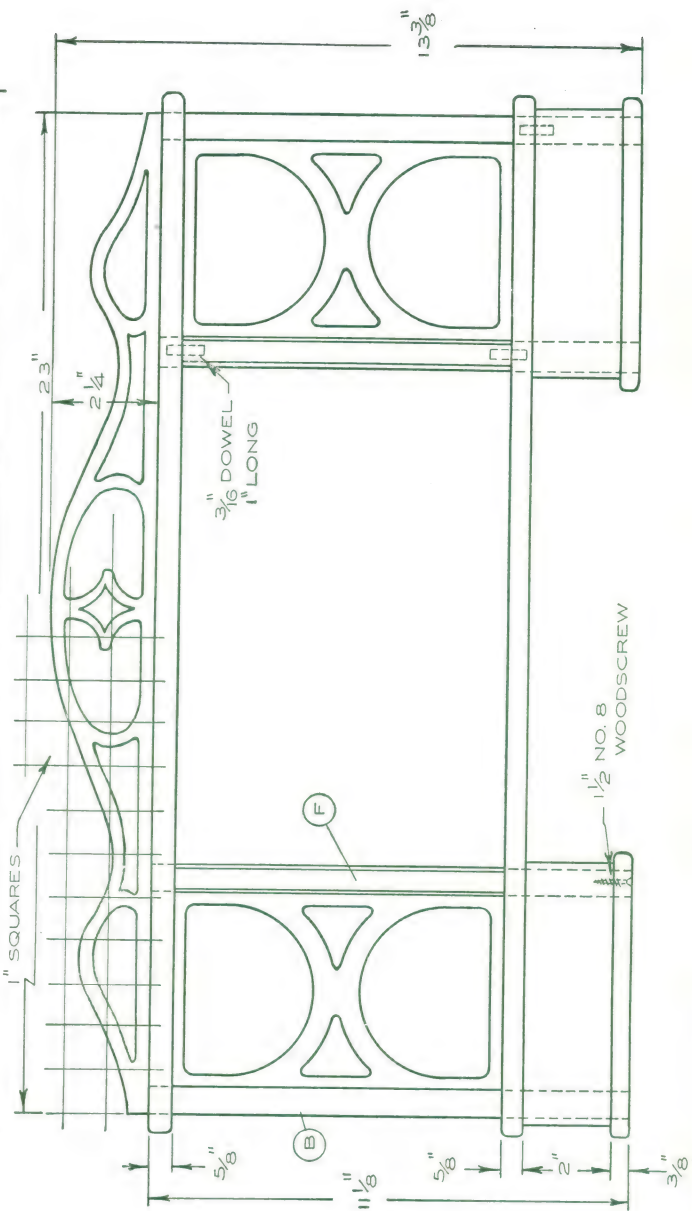
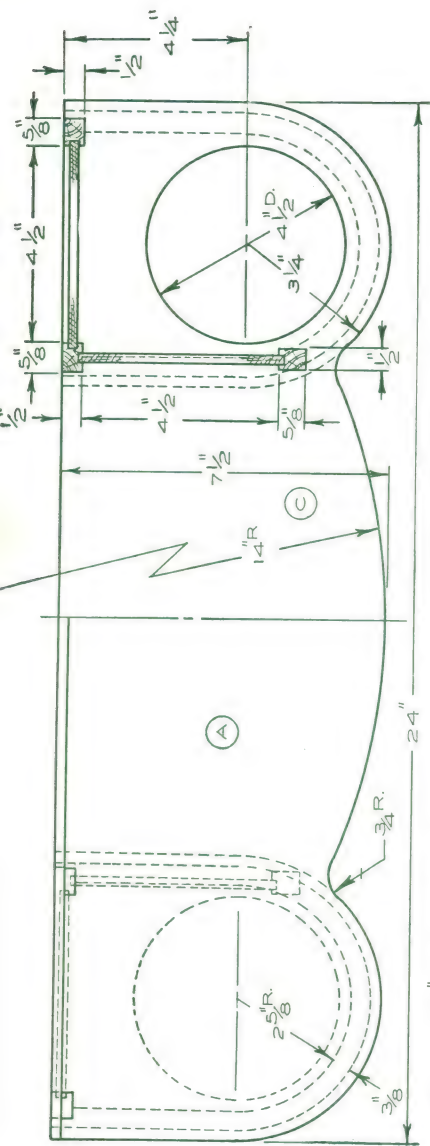


*The cut-out pieces in the center photo are scroll cut on the jig saw.*

*Lower photo shows how the half-round sections of the flower compartment are cut on the band saw.*

## WALL SHELF and FLOWER HOLDER

☆ For the craftsman who likes scroll work, this project is not too complicated to make. Plywood is used throughout except for the curved flower pot holders. The easiest way to make up the scrolled pieces is to lay out the design on a piece of cardboard and trace each piece to be cut with this template. The drawing shows all the outer edges of the shelves and scrolled pieces shaped with a round edge, these could be left straight. If birch plywood is used, stain mahogany or walnut and apply two thin coats of white shellac and follow with wax. To prevent water from damaging the bases of the shelf, use small metal trays or saucers.

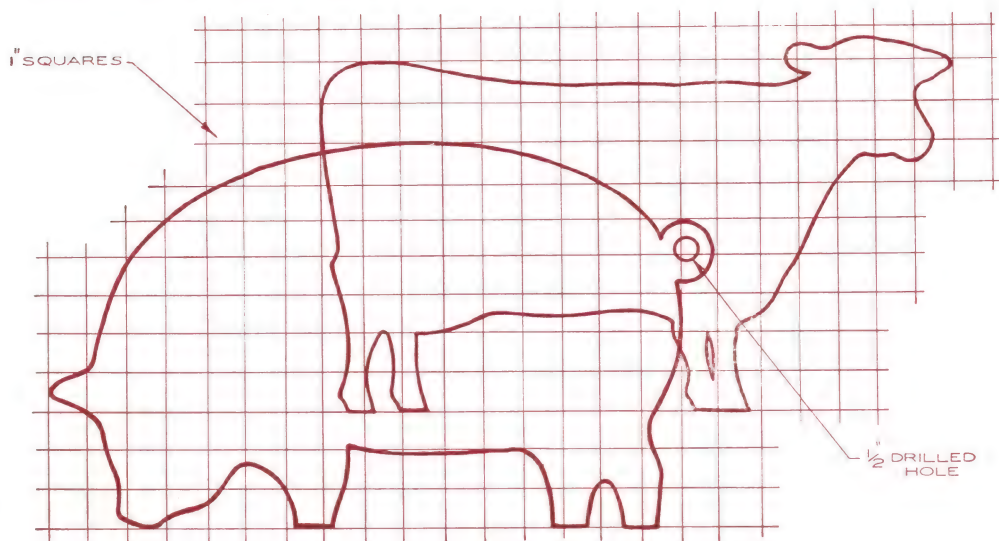






## *Animated* COLD-CUT SLICING BOARDS

☆ Items like these are always in demand. They make excellent gifts as card party prizes or for wooden wedding anniversaries. Lay out the design on a large piece of paper using the squares method and glue it to a piece of birch or maple stock with rubber cement. The design can either be cut on the band-saw or the scroll saw. Sand smooth both edges and sides, but do not apply any finish. The edges can be enameled in bright colors which makes a nicer looking meat cutting board.



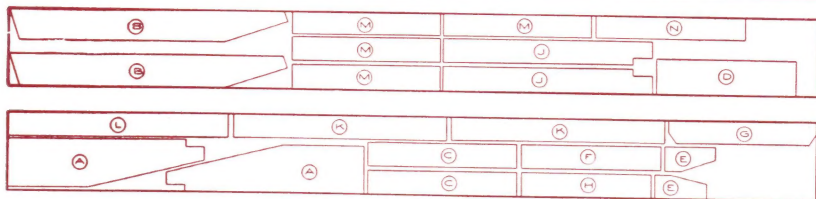


## A red-tinted photograph of a wooden Adirondack chair. The chair features a slatted backrest and seat, with a wide, splayed leg design. The wood appears to be a light-colored material, possibly cedar or pine, and the chair is shown from a side-on perspective.

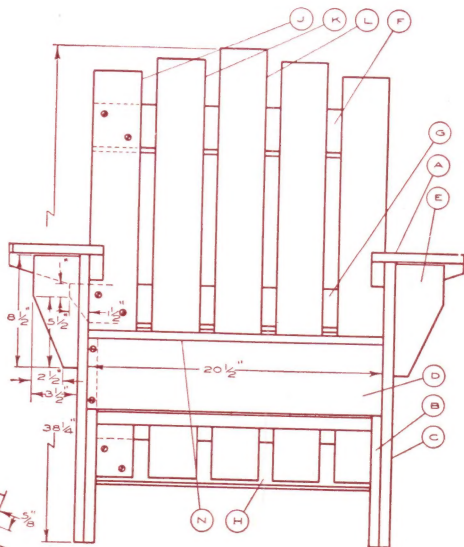
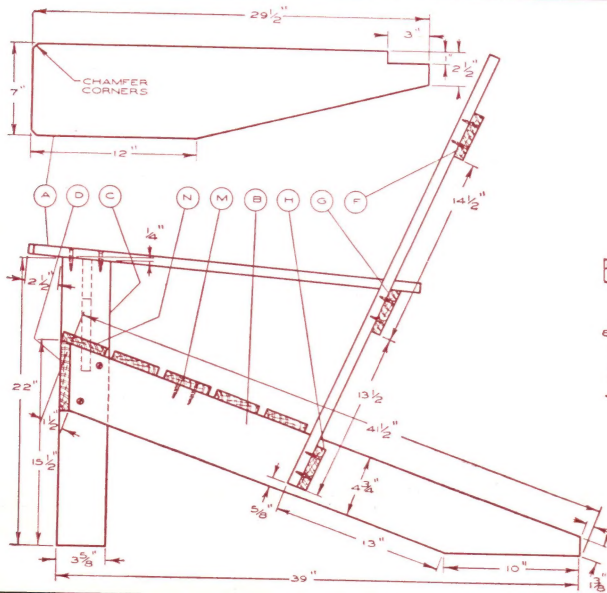
☆ For the craftsman who wants to make a simple garden chair in a very short time, this one fills the bill. There are no fancy cuts, the whole project can be made on the circular saw and jointer. Only two pieces of 1" x 12" by 12-foot long pieces of material are required. A few coats of outside paint, and the project is finished.

| No.<br>Req. | Name                    | Size         |
|-------------|-------------------------|--------------|
| 2—(A)       | Arm Rest .....          | ¾ x 7 x 29½  |
| 2—(B)       | Seat Support .....      | ¾ x 4¾ x 41½ |
| 2—(C)       | Front Leg .....         | ¾ x 3¾ x 22  |
| 1—(D)       | Front Apron .....       | ¾ x 5½ x 20½ |
| 2—(E)       | Arm Rest Support .....  | ¾ x 3½ x 8½  |
| 1—(F)       | Top Back Cleat .....    | ¾ x 3½ x 20½ |
| 1—(G)       | Back Arm Rest .....     | ¾ x 3½ x 23½ |
| 1—(H)       | Bottom Back Cleat ..... | ¾ x 3½ x 19  |

| No.<br>Req.            | Name  | Size  |
|------------------------|-------|---|
| 2—(J) Back Board       | ..... | $\frac{3}{4}$ x $3\frac{1}{2}$ x 34               |
| 2—(K) Back Board       | ..... | $\frac{3}{4}$ x $3\frac{1}{2}$ x 35               |
| 1—(L) Back Board       | ..... | $\frac{3}{4}$ x $3\frac{1}{2}$ x 36               |
| 4—(M) Seat Board       | ..... | $\frac{3}{4}$ x $3\frac{1}{2}$ x 22               |
| 1—(N) Seat Board       | ..... | $\frac{3}{4}$ x $3\frac{1}{2}$ x 20 $\frac{1}{2}$ |
| 34—Flt. Hd. Wood Screw | ..... | No. 10x1 $\frac{1}{2}$                            |
| 44—Flt. Hd. Wood Screw | ..... | No. 10x1 $\frac{3}{4}$                            |



ALL STOCK CUT  
FROM TWO BOARDS  
 $3\frac{1}{4} \times 12 \times 12'$





# FLYING CHIPS

## Ornamental Glass Cutting

*Enterprise, Ontario, Canada*—Could you tell me if there is an easy way of cutting the top of a glass fruit dish cover, the lower part of which has been broken. I want to use this to fit over the brass portion of an electric light fixture to make up the shade.

The glass cover in question is bell-shaped, about seven inches in diameter at the large part and two inches at the small end, and about six or seven inches deep. I thought this would make up a very nice lamp shade because it's made up from ornamental glass.

I would also like to know what is the best method of transferring full size patterns of scroll saw work such as you publish on the design page of the Deltagram on to the material to be cut.

J. L. W.

We are awfully sorry we are unable to give you any information on the cutting of glass objects as you requested. Some of the home craft magazines like *Popular Mechanics* and *Popular Science* have had articles on this subject in some of the past issues of their publications. If any of our readers have some good dope on this subject, please send this to us and we will turn it over to J. L. W.

In regard to the best method of transferring full-size patterns to the material prior to cutting is to apply rubber cement to the material and the pattern or original drawing or to use carbon paper and trace the design to the material to be cut.

## Woodworking a Family Hobby

*Turro, N. S., Canada*—I find every page of the Deltagram of interest, including the advertisements on the back page, and have made quite a few of your projects. Also a number of others with slight variations of your original plans. As I am employed here in the capacity of night watchman, seven nights a week, and live right on the grounds, I find considerable time to devote to my hobby of woodworking. My wife is a great help in most of the jobs I start, as she is likewise hobby minded, and can supply me with many original ideas. The most important drawback I find, is being so far from a market. We are ten miles from town, and two miles from the highway. However, we seem to have something on the go most of the time. We have no trouble in getting our friends and relatives to accept as gifts things we have made, and that to us is payment enough. We create for the pleasure it gives, to us and others.

If you can find space to devote to small projects in your magazine, the Deltagram, items that would be completed with a pocket knife or similar tools that could be carried conveniently on one's person, you would have at least one delightful reader. I find that the night goes by much faster if I have some such task to help relieve the monotony. I sure would appreciate some new ideas to work on.

C. H. S.

## How Much for a Finished Project?

*Ingleside, Texas*—I am just starting my home workshop and have not as yet done any great amount of outside work for other people. In a few cases where I have made furniture repairs and small odd jobs I find it difficult to arrive at a uniform method of charging for my work. Do you have any literature or price schedules which I could use as a basis for setting prices on woodworking and repairs?

I enjoy reading and using your Deltagram and it is at a premium at my home since each member of the family scans each new issue to see what he wants me to make.

K. A. W.

It would be difficult to set a hard and fast rule which could govern the cost of a project for all localities. As a general rule most home crafters ask the person for whom the project is to be made that he furnish the stock. The charge for labor is approximately \$2.00 an hour.

## Gun Cabinet on Delta Craft Page

*Brookings, South Dakota*—Some time ago I suggested to the editors of your magazine the publishing of a picture that was taken of a rather unique gun cabinet that I made for a friend of mine.

There are a few things about the gun cabinet that cannot be seen in the picture to any great extent. The wood is white oak and designed to match the woodwork of the home. As the picture suggests, it is a corner cabinet, pre-fabbed and put in place.

The lower part of the cabinet is a storage space and the doors have handles made from deer antlers. The gun space will hold eight guns and six pistols or revolvers. The base plate is cut out to receive each individual gun butt and each compartment is lined with felt to protect the gun butts. The gun barrel dividers are elk points. The shelves that hold the pistols are slanted and also covered with felt for better display and protect the wood as well as the pistols.

The upper portion is a picture, the back of which is a hand painted lake shore scene. The duck in the foreground is a stuffed mallard duck. In the back of the topmost portion of the picture frame is a fluorescent light which is concealed and displays the picture to a greater advantage at night. The finish of the entire cabinet is natural.

R. D. H.

The picture of the finished gun cabinet mentioned above is shown on the Delta Craft Page of this issue of the Deltagram.

## Martin House—A Good Project

*Toronto, Ontario, Canada*—The Deltagram is a wonderful little magazine. Very helpful and instructive as well as up to date on home workshop ideas. I have just finished making the Martin House which appeared in Issue No. 4, Volume 17, and I might say it turned out quite a masterpiece. I am sure the birds will be very happy to take a suite in such a fine apartment house. "It looks grand" thanks to the Deltagram for the nice design and simple-to-follow instructions.

## Storing of Shaper Cutters

*Platteville, Wisconsin*—We have a Delta Spindle Shaper in the Woodworking department. Our cutters are kept in a box with dowels inserted to keep them in place.

This method of storage is unsatisfactory since students must go through the whole supply to find the correct cutter. Then, too, it is difficult to know if we have the cutter needed for the job to be done.

I am re-organizing machine accessories so that they are easily accessible to the students and for efficient inventory of needed parts and replacements.

To do this for the shaper cutters, I plan to make a wall cabinet of 3/4 inch plywood back with dowels the size of cutter holes inserted in vertical rows in the cabinet, and opposite each cutter will be the number of the cutter and a diagram of the moulding it will cut.

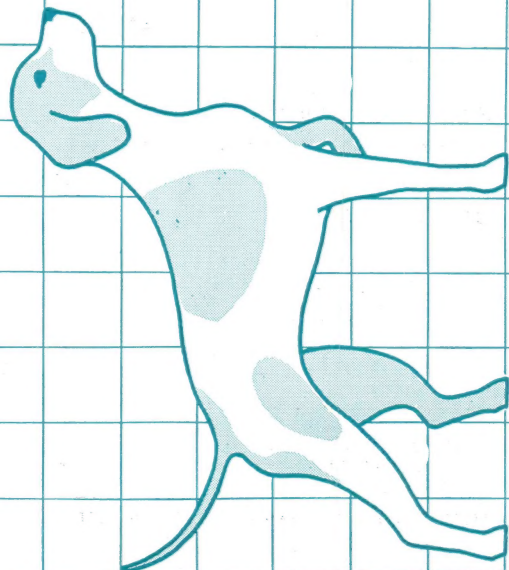
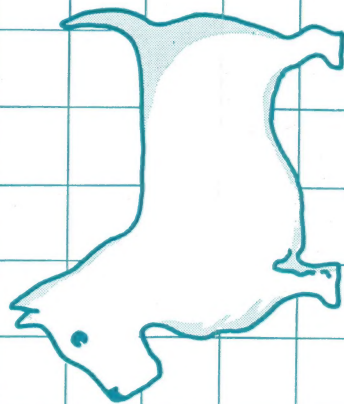
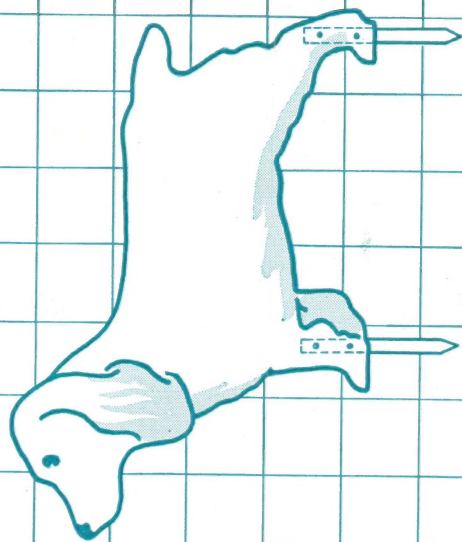
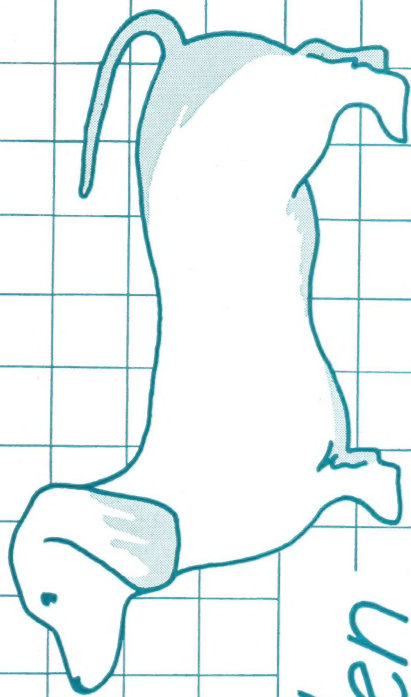
This method, I believe, will save time and enable me to keep a sufficient supply of cutters to meet the many needs called upon for shaper work in an Industrial Arts Shop.

As a suggestion, it would seem to be a desirable plan if your company would publish a full-size chart of all cutters manufactured so that it could be attached or glued on the back of a cabinet. Dowels could be inserted in cutter holes and opposite, data and diagram of the moulding could be given. This would encourage shop instructors to have a complete set and avoid confusion in selecting proper cutters. Perhaps you do have such a chart.

H. C. O., Instructor Woodworking.

We believe you have a very good idea in the cabinet for your shaper cutters. We are sorry that we do not have a full-size chart showing the shapes of cutters. This is one for our little black book as a future project for the Deltagram. Thanks for the suggestion.

*Garden  
Cut Outs*



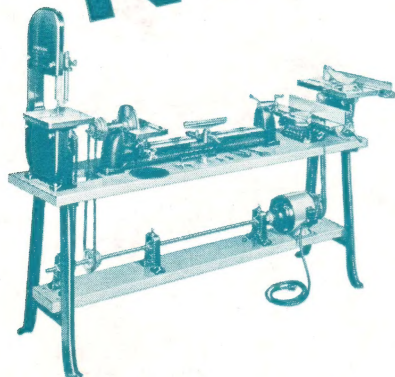


# NEW

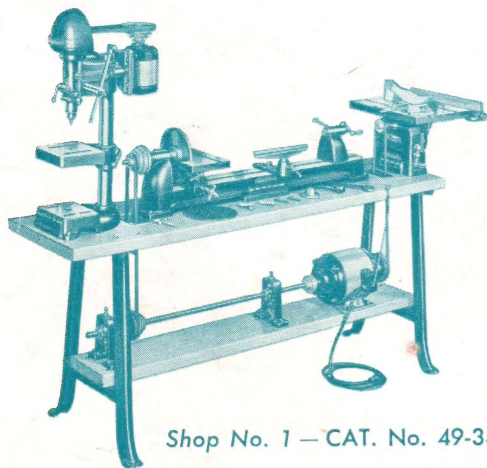
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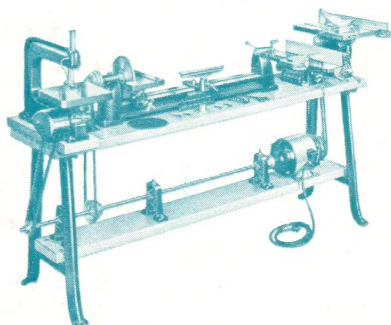
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